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MDEQ Water Bureau Security and Emergency Response Program News



## 1. Water Sector Security Contracts Status Report as of 12/1/06

A. VA CIP (Vulnerability Assessment Capital Improvement Plan) followup: Camp Dresser & McKee (contract effective 9/15/06)

### I. The Numbers So Far

Public Water Systems visited 32, out of a total of 288 systems (11 %). Goal is to complete all by September 28, 2007. Of these systems, there were a total of 376 Critical Infrastructure Protection (CIP) projects identified (approximately 12 per site) with 275 CIP's (73 %) having been implemented.

### II. Popular Projects

The most popular projects include new locks, fence upgrades, cameras, card key access, and generators. The cost for each individual project has ranged from \$100 (new locks) to more than \$5M for a full backup generator system, with the total capital improvements being in excess of \$10 million.

### III. Prioritize, Prioritize, Prioritize

Some of the reasons given for not implementing 100% of the CIPs were cost, available time, or the CIP recommended by the consultant who prepared it was not practical (e.g. 24/7 manned security).

### IV. New Projects After the VA

Since the VA's were completed, a total of 60 additional CIPs were identified (approximately 2 per site) and of these 20 (33%) have been implemented. The reasons for non-implementation were cost and time constraints.

### V. CIP 3: Capital Improvement Plan, Critical Infrastructure Protection, Continuous Improvement Process

So far, it appears that all 32 visited PWS have taken the VA-ERP process seriously, are using them as part of a Continuous Improvement Process, have proposed and implemented Critical Infrastructure Protection projects, or have put them on their Capital Improvement Plan Schedule.

B. TTXTTT (Tabletop Exercises and Train the Trainer): Patriot Services Inc. (contract effective 9/15/06)

#### I. Status Report

After conducting two Train the Trainer (TTT) conferences for Tabletop Exercises (TTX), the feedback was positive. When doing a conference, the hope is that participants would find the information useful. You always fear wasting peoples time with information that is not relevant. So far, all participants expressed that they gained enough information to conduct their own TTX, which is the goal of the TTT.

#### II. Locations of TTT's

You will note they are not being conducted at the typical conference site, eg, a hotel. This is about being first responders, so some are taking place at sheriff departments and other such locations.

C. MDEQ web site for 'currents' on the Water Bureau Security Program

The following is the Internet web site url for the Water Sector program which is routinely updated:

[http://www.michigan.gov/deq/0,1607,7-135-3313\\_23413-63303--,00.html](http://www.michigan.gov/deq/0,1607,7-135-3313_23413-63303--,00.html)

## 2. WISE (Water Infrastructure Security Enhancements) draft guidance released

### **A. Water Infrastructure Security Enhancements Guidance Project Deliverables**

The security of our nation's water infrastructure is of critical importance, particularly in the post-September 11 environment. The American Society of Civil Engineers ([ASCE](#)), the American Water Works Association ([AWWA](#)) and the Water Environment Federation ([WEF](#)), with a grant from the U.S. Environmental Protection Agency ([EPA](#)), have developed a comprehensive three-phased program to address **physical infrastructure security** needs for water supply, wastewater and stormwater, and online contaminant monitoring systems:

- [Phase I Guidance Documents](#)
- [Phase II Training Materials](#)
- [Phase III Voluntary Draft Standard Guidelines for Trial Use](#)

### **B. Phase III Voluntary Consensus Security Standard Guidelines: Wastewater/Stormwater and Water Supply**

Drafts of the nation's first standard guidelines for protecting the public from potential malevolent acts and other threats by enhancing the physical security of water and wastewater infrastructure systems were released on December 13, 2006, for trial use by water and wastewater utilities. The voluntary guidelines—jointly developed by the American Society of Civil Engineers (ASCE) and the American Water Works Association (AWWA) with technical input from the Water Environment Federation—are the result of Phase III of the Water Infrastructure Security Enhancements (WISE) program.

### **C. The newly released Phase III Guidance is available at the following url's**

-AWWA :

<http://www.awwa.org/Communications/news/index.cfm?ArticleID=658>

-WEF:

[http://www.wef.org/ScienceTechnologyResources/TechnicalInformation/Projects/security\\_guidance.htm](http://www.wef.org/ScienceTechnologyResources/TechnicalInformation/Projects/security_guidance.htm)

-ASCE:

<http://www.asce.org/static/1/wise.cfm>